

NUMBERS & ODDITIES
the Spooks Newsletter
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Since other priorities have taken over most of my hobby time, I can not spend much time on investigations and monitoring these days. I will continue editing N&O and I just finished 4 Intelligence Profiles, so don't worry :-)

It would be nice though if you guys could send me more listening reports or other spooks related stuff that might be of interest for your fellow hobbyists. Your continuous support is much appreciated. Therefore a BIG "thank you" to John, Jim, Tom, Bill, Tony, Costas, Glenn, Mark, Don, Klaus, Sam, Fritz, Trond, Fer, Mike, Jochen, Maciej, Japan Ute Monitor, Ian, and several others for this month's contributions.

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* VOICE STATIONS *

::: E03

Lincolnshire Poacher idents. 1st half of May

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC
1200	15044	15044	15044	15044	15044	15044	15044	1200
1300	47419	47419	47419	47419	47419	47419	47419	1300
1400	83655	58106	43226	73326	15044	11962	23535	1400
1500	23535	83655	58106	43226	73326	15044	02760	1500
1600	02760	23535	83655	58106	43226	73326	11962	1600
1700	11962	02760	23535	83655	58106	43226	15044	1700
1800	15044	11962	02760	23535	83655	58106	73326	1800
1900	73326	47419	11962	47419	23535	83655	47419	1900
2000	47419	15044	47419	02760	47419	23535	43226	2000
2100	43226	73326	15044	11962	02760	47419	58106	2100
2200	58106	43226	73326	15044	11962	02760	83655	2200

Lincolnshire Poacher idents. 2nd half of May

UTC	Mon	Tue	Wed	Thu	Fri	Sat	Sun	UTC
1200	90466	90466	90466	90466	90466	90466	90466	1200
1300	52114	52114	52114	52114	52114	52114	52114	1300
1400	60556	84577	91261	23403	90466	42406	63976	1400
1500	63976	60556	84577	91261	23403	90466	22656	1500
1600	22656	63976	60556	84577	91261	23403	42406	1600
1700	42406	22656	63976	60556	84577	91261	90466	1700
1800	90466	42406	22656	63976	60556	84577	23403	1800
1900	23403	52114	42406	52114	63976	60556	52114	1900
2000	52114	90466	52114	22656	52114	63976	91261	2000
2100	91261	23403	90466	42406	22656	52114	84577	2100
2200	84577	91261	23403	90466	42406	22656	60556	2200

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::: E10

22-5, 4165//5230//6912 kHz: CIO 98356
 23-5, 4165//5230//6912 kHz: CIO ADF893Z645ZB
 23-5, 9202 kHz: YHF 1
 30-5, 6210 kHz: FDUM
 30-5, 4880 kHz: ULX 1

E10 DECODED? A REMARKABLE THEORY

I found this remarkable theory on the Internet many years ago in the archives of a Japanese website. Unfortunately I don't have a current (e-mail) address of the author. The article is probably written in 1990. So Peter, if you read this, drop me a line. -ARY-

The "spy" numbers decoded....
 by Peter Febroriello

Those number stations have been driving a large number of people nutty for a while now... I believe the mystery is over, at least part of it anyway. If the data is copied exactly as broadcast, it forms a series of number groups. Preceding these groups is a count. There is one full count worth of number groups. the first half of each group is a three digit number which is always padded out with zeros. The second half is a two digit number which is also padded. If one were to plot these numbers as separate graphs of data starting with the first half, and then the second half, one does not see much of interest, although the data does seem to have a periodicity, which would never appear in a coded message which used a random code key. If the first group is plotted against the second group, a lattice-like pattern is observed, which resembles

the images I have seen of nuclear particle disintegration patterns... but i don't think this is what it is either! The mystery dissolves when the x axis goes from 1 to count, the first group is used for the Y axis and the third group is used for the Z axis. The darned thing is an image of some sort! It's quite obvious, and was probably originally intended to be a transmission of vital scientific importance to a large body of scientists using a very wide variety of data crunching programs and methods. The form of transmission is the most basic possible to get the job done, being quite universal, simple, and easy to decipher without confusion!!! Below, I have reproduced my first and only intercepted transmission of "spy" data. The first file is the raw data. The second file is an X,Y,Z format file for use with most good 3d graphics packages. I would love to get a program that can translate the Z value to a grey scale or false color value for CGA or EGA...

raw data taken on 1/19/1989 6:09EST
5047KHZ Female voice

count 162

```
063 22 526 76 967 49 899 42 903 50 042 86 060 43
737 28 416 13 016 58 764 66 889 89 864 05 969 53
019 33 401 81 072 81 985 30 316 80 742 93 595 90
710 67 902 85 121 37 432 47 150 93 508 82 604 25
172 05 197 24 242 78 778 75 434 84 432 93 235 65
135 71 705 62 823 91 878 94 727 57 090 64 554 16
873 48 843 83 671 71 495 55 344 16 325 03 737 51
661 18 756 64 823 98 963 04 484 93 871 70 474 74
343 76 464 48 578 55 476 55 837 21 212 22 658 77
387 22 210 30 488 77 009 41 024 04 779 79 040 65
375 43 052 06 138 64 103 12 300 23 290 71 325 66
169 37 167 76 570 89 531 96 384 06 635 63 131 12
321 97 994 69 333 61 627 58 822 30 245 45 033 27
625 03 136 98 650 20 045 32 231 75 269 18 737 10
260 72 349 57 486 64 752 08 667 11 791 19 087 93
580 08 248 49 381 01 538 66 969 31 235 64 036 91
784 80 097 37 933 54 066 18 681 10 004 13 296 08
172 44 514 15 548 43 462 27 327 85 996 24 493 70
299 05 045 21 917 85 100 94 490 31 068 75 648 29
882 36 635 89 297 09 928 56 447 00 277 90 225 18
380 28 832 66 010 28 121 14 826 17 689 80 070 52
959 56 321 21 593 09 065 76 148 55 339 45 126 26
437 83 714 14 286 65 943 62 453 84 186 84 544 76
310 01
```

X,Y,Z version

If the image is too narrow, I would suggest expanding the X value by multiplying by a convenient factor. If you know what the data really pertains to, you might be able to incorporate the proper scale into this axis! (Read from left to right)

XXX YYY ZZ	XXX YYY ZZ	XXX YYY ZZ	XXX YYY ZZ
1, 63,22	2,526,76	3,967,49	4,899,42
5,903,50	6, 42,86	7, 60,43	8,737,28
9,416,13	10, 16,58	11,764,66	12,889,89
13,864,5	14,969,53	15, 19,33	16,401,81
17, 72,81	18,985,30	19,316,80	20,742,93
21,595,90	22,710,67	23,902,85	24,121,37
25,432,47	26,150,93	27,508,82	28,604,25
29,172,5	30,197,24	31,242,78	32,778,75
33,434,84	34,432,93	35,235,65	36,135,71
37,705,62	38,823,91	39,878,94	40,727,57
41, 90,64	42,554,16	43,873,48	44,843,83
45,671,71	46,495,55	47,344,16	48,325,3
49,737,51	50,661,18	51,756,64	52,823,98
53,963,4	54,484,93	55,871,70	56,474,74
57,343,76	58,464,48	59,578,55	60,476,55
61,837,21	62,212,22	63,658,77	64,387,22
65,210,30	66,488,77	67,9,41	68, 24,4
69,779,79	70, 40,65	71,375,43	72, 52,6
73,138,64	74,103,12	75,300,23	76,290,71
77,325,66	78,169,37	79,167,76	80,570,89
81,531,96	82,384,6	83,635,63	84,131,12
85,321,97	86,994,69	87,333,61	88,627,58
89,822,30	90,245,45	91, 33,27	92,625,03
93,136,98	94,650,20	95, 45,32	96,231,75
97,269,18	98,737,10	99,260,72	100,349,57
101,486,64	102,752,8	103,667,11	104,791,19
105, 87,93	106,580,8	107,248,49	108,381,1
109,538,66	110,969,31	111,235,64	112, 36,91
113,784,80	114, 97,37	115,933,54	116, 66,18
117,681,10	118,4,13	119,296,8	120,172,44
121,514,15	122,548,43	123,462,27	124,327,85
125,996,24	126,493,70	127,299,5	128, 45,21
129,917,85	130,100,94	131,490,31	132, 68,75
133,648,29	134,882,36	135,635,89	136,297,9
137,928,56	138,447,0	139,277,90	140,225,18
141,380,28	142,832,66	143, 10,28	144,121,14
145,826,17	146,689,80	147, 70,52	148,959,56
149,321,21	150,593,9	151, 65,76	152,148,55
153,339,45	154,126,26	155,437,83	156,714,14
157,286,65	158,943,62	159,453,84	160,186,84
161,544,76	162,310,1		

<<<<<>>>>>

::: E11

E11 is still quite active. Here a few logs:

10-5, 6282 kHz, 1930 UTC: 121/23
12-5, 7663 kHz, 0800 UTC: 232/00
13-5, 7663 kHz, 0805 UTC: 232/00
13-5, 9610 kHz, 1035 UTC: 312/00
13-5, 9448 kHz, 1235 UTC: 312/00
17-5, 8544 kHz, 0830 UTC: 184/38
17-5, 9610 kHz, 1030 UTC: 312/00
17-5, 9448 kHz, 1230 UTC: 312/00
19-5, 7663 kHz, 0800 UTC: 232/00
20-5, 8091 kHz, 0800 UTC: 232/00
24-5, 9544 kHz, 0830 UTC: 182/00
24-5, 9610 kHz, 1030 UTC: 312/00
24-5, 9448 kHz, 1230 UTC: 312/00
27-5, 8091 kHz, 0800 UTC: 232/00
27-5, 9610 kHz, 1030 UTC: 312/00

Logged by Fer and Mike, plus one of FrankE2Kde (via Enigma 2000)

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* MORSE STATIONS *

::: MX

I heard the following beacons/markers in May:

Channel markers:

L - 3204.2 kHz

P - 3773, 3837, 4031, 4476, 4605, 4828, 5111, 5862, 6873 kHz

Parallel freqs 4605//5862//5111 and 4031//4476//3772 kHz were noted
on various occasions.

R - 4325.8, 5465.8, 6390 kHz

Cluster beacons:

C - 7039, 8495, 10872, 13528, 16332, 20048 kHz

D - 7038.7 (also on 7000 and 7077.4 kHz. Spurs of 7038.7 kHz)

P - 3594.8, 4557.8, 5153.8, 7038.8, 10871.8, 13527.8 kHz

S - 4557.9, 5153.9, 7038.9, 10871.9, 13527.9, 16331.9 kHz

F - 7039.2, 10872.2 kHz

M - 13527.5 (off frequency)

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::: M13

Mark forwarded a M13 message that he intercepted on 12216 MHz at 2200 UTC on May 9, 2005.

458 (R5) BT 247 21 BT
03386 38362 41864 38328 05199
04605 23285 33218 42712 51666
49477 19529 42759 29948 57679
28789 35523 23487 55933 49798
46245 BT

458 (R1) BT 247 21 BT
03386 38362 41864 38328 05199
04605 23285 33218 42712 51666
49477 19529 42759 29948 57679
28789 35523 23487 55933 49798
46245 BT
0 0 0

<<<<<>>>>>

::: M18

Changed in May from 4073 back to 4503 kHz.

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::: M21

Fritz reports that PV0 was active on 3314, 3801, 4391, 4574, 5201, 5221, 5772, 5873 and 7994 kHz in May, all with ID "0".

<<<<<>>>>>

::: M22

4XZ was on 29-4 temporarily on 2780 kHz //standard frequency 2680 kHz.

<<<<<>>>>>

::: M41

Another one from Fritz.
The station was active in May on 4959, 3909 and 13589 kHz with c/s PSNN, VQK4 and EBXJ. M41 transmits figure strings and sporadically the trigrams WZD and ABV. Roundslips with c/s PSNN or VQK4 on 4959 at 1600 UTC and/or

1800 UTC.

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::: M51

M51's transmissions became erratic in April with additional transmissions on Fridays. According to Fritz it changed later on its Morse keyer and lost that very specific sound. M51's last regular transmission was on Thursday, April 21st. Not reported in May.

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::: M89

"V CP17 CP17 CP17 DE L9CC L9CC" less active than usually. Heard on
7036.4, 7052, 7059.3, 7075.5, 7084.2 kHz
"V GM3Z GM3Z GM3Z DE PNW9 PNW9" on 6992 kHz
"V LA5S LA5S LA5S DE NH8T NH8T" on 8042 kHz
"V GKVZ GKVZ GKVZ DE Q7NW Q7NW" on 3297, 4670 kHz
"V B7TZ B7TZ B7TZ DE 8PNX 8PNX" on 4928 kHz
"V JAH3 JAH3 JAH3 DE CI4W CI4W" on 5237.6 kHz

M89 variant: "VVV Q2M Q2M Q2M DE NYZ NYZ" on 6840 kHz

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* VARIOUS MODES *

S28 - The Buzzer, buzzing on 4625 kHz
S30 - The Pip, pipping away on 3756 kHz
S32 - The Squeaky Wheel, squeaking on 3828 kHz
X06 - The Mazielka on 15829 kHz at 2020 UTC on 23-5
12224 kHz at 2050 UTC on 23-5
13517 kHz at 0640 UTC on 31-5

The 2-Second pip from China is still there. Tony heard it on 8340 kHz at 1120 UTC on 22 April.

Over-The-Horizon-Radars:

Iran : 14000 kHz
Russia : 14190, 14340, 14350 kHz
NATO Cyprus: 10115, 14000, 18075, 18100, 18105, 18130, 18160, 21000,
21065, 21120, 21270, 21290, 21300, 21395, 21400, 28080 kHz

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* UNID STATIONS *

Again several unid stations this month. Info is most welcome.

Jim reports an unid CW station on 4668 kHz. The station sends 4FGs with cut figures.

CFL9 c1g V23V, VSDN2, VGZ4M, VU2MF, V9YWN and gives each "R QSA1 K P"
Jim sez "assume KP is equivalent to AR or the Russian RK."

On an other day bot "AR" and "KP" were used.

CFL9 sends fast cut 4FGs ... 7AN5 356D 03.. 54N3 DUAT ... (ends) BT 73
HA AR. 2VIV de CFL9; V9YW de CFL9 QSA1 K. QSL? K. HR NR 05 K. R NIL. KP.

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Don Schimmel writes in his Radio Intrigue column that he has heard a strong carrier on 29 April 2005 at 1330 UTC on 16080.8 kHz. At 1342 Morse letter O was sent once followed by a short burst type transmission. At 1355 another short burst was heard.

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* MILITARY STATIONS *

::: RUSSIAN / UKRAINIAN / CIS CW & SSB STATIONS

Frequency	Remarks / callsigns
18.1	Russian Mil: RDL from the Nizhny Novgorod site
18.1	Russian Mil from the Krasnodar tx site. Strategic flash message to RCC and RCF7: xxx xxx rcc rcc rcf7 rcf7 56161 bromelitt 1981 7121"
3181.0	Russian Navy: X12G, AIHK. Message: AIHK de X12G QTC 484 34 3 2229 484 = 307 = AAAAA DDDDD TBRCH yVKZA ... G,JFS KWKWB AR. Baltic Fleet HQ Kaliningrad: RMP. Message: 1933 CW RKZ de RMP QTC 583 25 3 2256 538 = FM RJD69 = 22322 40181 ... 77410 03023 (repeats) AR.
3261.0	Ukrainian Mil: NWGN, NNJI, HAX1, EY7X, YK3N, NPYW, NSX3, P1KR, AOXV, 2HHA, VFHT, TUME, EPBJ, LN6A, YI3L, 6JX8, XNBW, KE7G, WTLQ, C35A, PNZB, VFHA, HINO, BRE8, 5QGW, SAAF, TUME, SUAA
3322.0	CIS Mil: ICGZ

3423.0 Unid CIS Mil?: channel marker KYW4

3658.0 CIS Mil: HNY4, ODDW

3759.0 Unid Russian station: RIQ88 wkg RAI63, RAS92.
RAI63 passed message: de RAI63 QTC = = 87 = 84 = 99 1210 070505
0810 0805 05 = 8349405 5955 K. de RIQ88 QSL K. de RAI63 OK QRX
0800 ? K. OK SK. OK SK.

3832.0 Ukrainian Mil: 5BCO, WWDN, FSJK, KEI5, 8DMZ, WSAN, VFJ1
Message: QTC 377 62 7 2200 377 = 696 = AAAAA GLUWA ...
ETTRO KVKEK RPT AL K.

3882.0 Ukrainian Mil: IBWY

3884.0 Russian Mil: 9OKR, HCJR, WFDV, 8V8X, PUHK, SAFU, ZEOU, NWAY

3889.0 CIS Mil: OCF5, DRWM, GHW4

3893.0 Russian Mil: 4DN2

3933.0 Russian 'RFF' Net: RFFM, RFFN, RFFO, RFFR

4031.0 Russian Navy Kaliningrad. Channel marker "P" then rtty
//4476 kHz

4051.0 Ukrainian Mil: E8CM, 3JPJ, 2BQY, 09ZS, OAKU, 8SPV, MK8S, BPKI,
NETG, W5YQ, 1JB4, QQ1W, C7I2, FJA4, AMTL, ZDD6

4476.0 Russian Navy Kaliningrad, c/s RMP. Msg followed by channel
marker "P" //4031 kHz

4479.0 CIS Mil: AYOU, ZNPA, KGGX

4811.9 CIS Mil: OVTP, IZAL

5111.0 Russian Navy Kaliningrad. Channel marker "P" after a message

5157.0 REA4: Russian AF

5476.0 CIS Mil: 8OVJ, NYGB, D1C2, 4TYE, I2Y3

5862.0 Russian Navy Kaliningrad, c/s RMP. figures with cut zeros,
then into marker "P" //5111 kHz

5881.0 HQ Baltic Fleet Kaliningrad: RMP.
Message: REO de RMP QTC 134 149 7 1955 134 = SML = PROGNOZ

POGODY DO 18 ^ASO A 08 MA% ...(Weather forecast to 1800 8 May)

6873.0 Navy Kaliningrad: RMP clg REO //5881 kHz

8136.0 Russian Mil: RMW32. Message: VVV XXX LR43 TEHNI*ESKA* PROWERKA
540 14*30 K. RMW44 de RMW32 RXXX ZSA? K (The first two
asterisks represent ---. and .-.- The asterisk in the 1430
represents six dots.)

8816 Aircraft 52247 on its way from XMNW to UMWS. Messages to and
from RJF94. Aircraft 30235, messages to and from RJF94 and
RJC38.

9288.0 CIS Mil: 2G2D, INWL, 4QOF, L030

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::: OTHER MILITARY STATIONS

Frequency	Remarks / callsigns
3963.5	Argentine Air Force: Weather reports. Cities: Resistencia, Monte Caseros, Saenz Pe0a. Mode: USB
4512.0	Unid Austrian mil?? c/s Q2GK tries to work Y05P who orders QSY "162" = 5904 kHz. Mode: USB
4911.0	Unid mil? station. c/s BL7R comms check with YE5Y, then into unid dig mode. Later discussing sked for May 18
5068.7	Unid Polish Mil: LSB/Voice 5FGs message, AM carrier
5206.0	UK cadets, c/s CONTROL wkg with KA, KC, KE, KG. Mode: USB
5318.0	Argentine Army: LTE clg LTE5 and LTE4. Mode: LSB
5348.1	Italian Frigate Aviere (F-583), c/s IAEQ wkg Frigate Euro (F-575), c/s IAEU. Mode: USB
5368.0	Argentine Army: LTK clg LTG. Mode: USB

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* INTELLIGENCE PROFILE: SUDAN *

::: BACKGROUND

Military regimes favoring Islamic-oriented governments have dominated
national politics since independence from the UK in 1956. Sudan has

been embroiled in a civil war for all but 10 years of this period (1972-1982). The wars are rooted in northern economic, political, and social domination of non-Muslim, non-Arab southern Sudanese. Since 1983, the war and war- and famine-related effects have led to more than 2 million deaths and over 4 million people displaced. The ruling regime is a mixture of military elite and an Islamist party that came to power in a 1989 coup. Some northern opposition parties have made common cause with the southern rebels and entered the war as a part of an anti-government alliance. Peace talks gained momentum in 2002-03 with the signing of several accords, including a cease-fire agreement. In 2004 the war in Darfur escalated again.

::: GENERAL

Country name: Jumhuriyat as-Sudan (Republic of the Sudan)

Capital : Khartoum

Administrative divisions: 26 states (wilayat, singular - wilayah);

A'ali an Nil, Al Bahr al Ahmar, Al Buhayrat, Al Jazirah, Al Khartum, Al Qadarif, Al Wahdah, An Nil al Abyad, An Nil al Azraq, Ash Shamaliyah, Bahr al Jabal, Gharb al Istiwa'iyah, Gharb Bahr al Ghazal, Gharb Darfur, Gharb Kurdufan, Janub Darfur, Janub Kurdufan, Junqali, Kassala, Nahr an Nil, Shamal Bahr al Ghazal, Shamal Darfur, Shamal Kurdufan, Sharq al Istiwa'iyah, Sinnar, Warab

::: MILITARY BRANCHES

Sudanese People's Armed Forces (SPAF), Navy, Air Force, Popular Defense Forces.

::: INTELLIGENCE & SECURITY

144th Counter-Terrorist Unit (CTU)

Al Amn al-Dakhili (internal security)

Al Amn al-Khariji (external security)

Amn Al-Thawra (Revolutionary Security Service)

Military Intelligence Service

National Security Forces (NSF)

Office of State Security

Popular Police

SPF (Sudan Police Force)

State Security Organization (SSO)

The Office of State Security was established by decree in 1971 within the Ministry of Interior. The new agency was charged with evaluating information gathered by the police and military intelligence; it was also responsible for prison administration and passport control. The sensitive central security file and certain other intelligence functions

were, however, maintained under the president's control. In 1978 the presidential and Ministry of Interior groups were merged to form the State Security Organisation (SSO). The SSO was dismantled in 1985.

In 1989 the government created a new security body, the Revolutionary Security Force (Amn Al-Thawra). It was under the direct control of a member of the Revolutionary Command Council for National Salvation (RCC-NS). Its purpose was to protect the regime against internal plots and to act as a watchdog over other security forces and the military. It quickly became notorious for indiscriminate arrests of suspected opponents of the regime and for torturing them in its own safe houses before turning them over to prison authorities for further detention. A similar organization, Youth for Reconstruction, mobilized younger Islamic activists. The Amn Al-Thawra does not exist anymore but it is likely that it has been replaced by a similar agency.

Information about the Sudanese intelligence organizations is scarce. I could however find some information of which I know that it is reliable. According to these sources today's intelligence services include the NSF which is composed of two branches, the Al Amn al-Dakhili (internal security) and Al Amn al-Khariji (external security); the Military Intelligence Service; the Popular Police; and the intelligence branch of the SPF.

Both the Al Amn al-Dakhili and the Al Amn al-Khariji report to the President via the Minister of Security. Al Amn al-Dakhili has several directorates that include a political and an economic directorate. Rebels from the Sudan People's Liberation Movement (SPLM) hold 26% of the posts in Sudan's intelligence services following a peace agreement signed on 9 January 2005.

The Popular Police does not belong to the Sudan Police Force. It is a non-official security service consisting of Islamic volunteers. They are the ears and eyes of the NSF. The volunteers infiltrate into the refugee camps etc to get their information.

::: SOURCES

- www.Sudan.net
- CIA World Factbook
- SPLM (www.usinternet.com/users/helpssudan)
- Library of Congress Country Studies
- Dutch Ministry of Foreign Affairs (Algemeen ambtsbericht Sudan)

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* INTELLIGENCE NEWS *

::: SPAIN

A new history of intelligence and security services in Spain, from the Spanish civil war to the national trauma of the March 11, 2004 train bombings in Madrid, has just been published.

"Los Servicios de Inteligencia Espanoles: Desde la guerra civil hasta el 11-M: Historia de una transicion" by Antonio M. Diaz was published this year by Alianza Editorial (in Spanish). For further information or to order online, search under the title or author here:

<http://www.alianzaeditorial.es/home.html>

(Source: FAS)

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::: USA

Under Secretary of Defense for Intelligence Stephen A. Cambone issued a new DoD Instruction last month that assigns responsibilities and defines procedures for providing Pentagon counterintelligence services.

See "DoD Counterintelligence Functional Services," DoD Instruction 5240.16, May 21, 2005: http://www.fas.org/irp/doddir/dod/i5240_16.pdf

(Source: FAS)

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★ LOGS SECTION ★

3025.0	M08a	ID 10062 19383 99084 CW 12-5-2005 Thu 1000 (MS)
3025.0	M08a	ID 10062 19383 99084 CW 12-5-2005 Thu 1000 (MS)
3204.2	MX	Channel marker "L" CW 8-5-2005 Sun 1935 (AB)
3244.0	M08a	ID 79052 62602 86293 CW 7-5-2005 Sat 1000 (MS)
3244.0	M08a	ID 76652 21692 97362 CW 28-5-2005 Sat 1000 (MS)
3245.0	V02a	In Progress//S800M//Brooklyn USB 9-5-2005 Mon 0505
3292.0	V02a	In Progress//S800M//Brooklyn USB 3-5-2005 Tue 0401
3292.0	V02a	In Progress//S800M//Brooklyn USB 17-5-2005 Tue 0410
3292.0	V02a	In Progress//S800M//Brooklyn USB 21-5-2005 Sat 0410
3292.0	V02a	In Progress//S800M//Brooklyn USB 31-5-2005 Tue 0405
3297	M89	V GKVZ GKVZ GKVZ DE Q7NW Q7NW CW 1240 (JUM)
3415.0	E10	ART2 //05435.0 AM 24-5-2005 1900 (SW2)
3594.8	MX	Cluster beacon "P" CW 6-5-2005 1935 (FN)
3756	S30	Pip CW 8-5-2005 Sun 1953 (AB)
3772	MX	Channel marker "P" 4031//4476//3772 CW 16-5-2005 1900 (FN)

3828	S32	Squeaky Wheel 8-5-2005 Sun 1954 (AB)
3837	MX	Channel marker "P" CW 3-5-2005 1849 (RGA)
3926.0	M08a	ID 76653 97363 21693 CW 29-5-2005 Sun 1000 (MS)
3926.0	M08a	In Progress//S800M//Brooklyn CW 31-5-2005 Tue 0405
4027.0	M08a	ID 76652 21692 97362 (Repeat of 1000z on 3244m) CW 28-5-2005 Sat 1100 (MS)
4028.0	V02a	In Progress//S800M//Brooklyn USB 6-5-2005 Fri 0600
4031	MX	Channel marker "P" CW 14-5-2005 1806 (KB)
4031	MX	Channel marker "P" 4031//4476//3772 CW 16-5-2005 1900 (FN)
4035.0	V02a	(In progress - YL/SS) USB 7-5-2005 Sat 1000 (MS)
4165	E10	CI02//5230 AM 2-5-2005 Mon 1845 (E12)
4165	E10	CI02//5230 AM 6-5-2005 Fri 1845 (E12)
4165	E10	CI02 AM 9-5-2005 Mon 1845 (E12)
4165	E10	CI02 AM 20-5-2005 Fri 1845 (E12)
4165	E10	CIO 98356 AM 22-5-2005 Sun 2016 (AB)
4165	E10	CIO ADF893Z645ZB AM 23-5-2005 Mon 1950 (AB)
4165.0	E10	CI02/5230, 6912 USB 28-5-2005 Sat 2145 (JS3)
4165.0	E10	CI02/5230, 6912 USB 30-5-2005 Mon 2045 (JS3)
4173.0	M08a	ID 76653 97363 21693 (Repeat of 1000z on 3926m) CW 29-5-2005 Sun 1100 (MS)
4270	E10	PCD 32 FMISE AM 2-5-2005 Mon 1800 (E12)
4270	E10	PCD2 AM 2-5-2005 Mon 1830 (E12)
4270	E10	PCD2 AM 6-5-2005 Fri 1800 (E12)
4270	E10	PCD68 BVYFH AM 6-5-2005 Fri 1830 (E12)
4270	E10	PCD1 AM 6-5-2005 Fri 1900 (E12)
4270	E10	PCD2 AM 7-5-2005 Sat 1800 (E12)
4270	E10	PCD 39 NCU?G AM 7-5-2005 Sat 1830 (E12)
4270	E10	PCD2 AM 7-5-2005 Sat 1900 (E12)
4270	E10	PCD2 AM 9-5-2005 Mon 1800 (E12)
4270	E10	PCD 68 BVYFH AM 9-5-2005 Mon 1830 (E12)
4270	E10	PCD2 AM 11-5-2005 Wed 1800 (E12)
4270	E10	PCD 68 BVYFH AM 11-5-2005 Wed 1830 (E12)
4270	E10	PCD2 AM 11-5-2005 Wed 1900 (E12)
4270	E10	PCD2 AM 17-5-2005 Tue 1800 (E12)
4270	E10	PCD2 AM 17-5-2005 Tue 1830 (E12)
4270	E10	PCD1 AM 17-5-2005 Tue 1900 (E12)
4270	E10	PCD2 AM 20-5-2005 Fri 1800 (E12)
4270	E10	PCD 78 BV?FH AM 20-5-2005 Fri 1830 (E12)
4270	E10	PCD1 AM 20-5-2005 Fri 1900 (E12)
4270.0	E10	PCD 68 (BVYFH) AM 24-5-2005 1830 (SW2)
4325.8	MX	Channel marker "R" CW 8-5-2005 Sun 1941 (AB)
4325.8	MX	Channel marker "R" CW 14-5-2005 1800 (KB)
4360	E10	VLB2//5170 AM 2-5-2005 Mon 1845 (E12)
4360	E10	VLB2//5170 AM 7-5-2005 Fri 1845 (E12)
4360	E10	SYN2//6930 AM 20-5-2005 Fri 1845 (E12)
4360.0	E10	SYN2 //07445.0 AM 24-5-2005 1846 (SW2)
4461	E10	FTJ2 AM 2-5-2005 Mon 1800 (E12)

4461	E10	FTJ2 AM 6-5-2005 Fri 1800 (E12)
4461	E10	FTJ2 AM 7-5-2005 Sat 1800 (E12)
4461	E10	FTJ2 AM 9-5-2005 Mon 1800 (E12)
4461	E10	FTJ2 AM 11-5-2005 Wed 1800 (E12)
4461	E10	FTJ2 AM 17-5-2005 Tue 1800 (E12)
4461	E10	FTJ2 AM 20-5-2005 Fri 1800 (E12)
4461.0	E10	FTJ Rpt of msg tx'd Sa 21/05/05 AM 2003 (SW2)
4461.0	E10	FTJ msg grp 144 (HFIBQ) AM 22-5-2005 2055 (SW2)
4461.0	E10	FTJ msg grp 15 (PXDDG) AM 23-5-2005 2133 (SW2)
4461.0	E10	FTJ, 6, STOCA AM 26-5-2005 Thu 2200 (RNL)
4476	MX	Channel marker "P" CW 0222 (KA2EMZ)
4476	MX	Channel marker "P" //4031 kHz CW 15-5-2005 1925 (KB)
4476	MX	Channel marker "P" 4031//4476//3772 CW 16-5-2005 1900 (FN)
4478.0	M08a	(Too weak to get copy) CW 28-5-2005 Sat 1100 (MS)
4560	E10	YHF 1 AM 9-5-2005 Mon 2100 (AB)
4605	MX	Channel marker "P" 4605//5862//5111 CW 15-5-2005 1515 (FN)
4625	S28	Buzzer 8-5-2005 Sun 1953 (AB)
4670	M89	V GKVZ GKVZ GKVZ DE Q7NW Q7NW CW 1240 (JUM)
4828	MX	Channel marker "P" CW 2-5-2005 1510 (FN)
4880	E10	ULX1 AM 2-5-2005 Mon 1800 (E12)
4880	E10	ULX1 AM 6-5-2005 Fri 1800 (E12)
4880	E10	ULX1 AM 7-5-2005 Sat 1800 (E12)
4880	E10	ULX1 AM 9-5-2005 Mon 1800 (E12)
4880	E10	ULX1 AM 11-5-2005 Wed 1800 (E12)
4880	E10	ULX2 AM 17-5-2005 Tue 1800 (E12)
4880	E10	ULX2 AM 20-5-2005 Fri 1800 (E12)
4880	E10	ULX 1 AM 30-5-2005 1900 (SFP)
4880.0	E10	ULX2 AM 22-5-2005 2003 (SW2)
4880.0	E10	ULX msg grp 91 (YYZMT) AM 22-5-2005 2103 (SW2)
4880.0	E10	ULX msg grp99 (NFRMC) AM 23-5-2005 2103 (SW2)
4880.0	E10	ULX2 AM 24-5-2005 1902 (SW2)
4905.0	M01	025-810/35=48877 CW 3-5-2005 Tue 2000 (HFD)
4928	M89	V B7TZ B7TZ B7TZ DE 8PNX 8PNX CW 1218 (JUM)
5091	E10	JSR2 AM 2-5-2005 Mon 1800 (E12)
5091	E10	JSR 56 JZHUR AM 2-5-2005 Mon 1830 (E12)
5091	E10	JSR 94 APUNZ AM 2-5-2005 Mon 1900 (E12)
5091	E10	JSR2 AM 6-5-2005 Fri 1800 (E12)
5091	E10	JSR 56 JZHUR AM 6-5-2005 Fri 1830 (E12)
5091	E10	JSR 94 APUNZ AM 6-5-2005 Fri 1900 (E12)
5091	E10	JSR2 AM 7-5-2005 Sat 1800 (E12)
5091	E10	JSR 56 JZHUR AM 7-5-2005 Sat 1830 (E12)
5091	E10	JSR2 AM 7-5-2005 Sat 1900 (E12)
5091	E10	JSR2 AM 9-5-2005 Mon 1800 (E12)
5091	E10	JSR 56 JZHUR AM 9-5-2005 Mon 1830 (E12)
5091	E10	JSR2 AM 11-5-2005 Wed 1800 (E12)
5091	E10	JSR 56 JZHUR AM 11-5-2005 Wed 1830 (E12)

5091 E10 JSR2 AM 11-5-2005 Wed 1900 (E12)
5091 E10 JSR2 AM 17-5-2005 Tue 1800 (E12)
5091 E10 JSR 56 JZHUR AM 17-5-2005 Tue 1830 (E12)
5091 E10 JSR 22 JAON? AM 17-5-2005 Tue 1900 (E12)
5091 E10 JSR2 AM 20-5-2005 Fri 1800 (E12)
5091 E10 JSR 56 JZHUR AM 20-5-2005 Fri 1830 (E12)
5091 E10 JSR2 AM 20-5-2005 Fri 1900 (E12)
5091.0 E10 JSR 56 (JZHUR) AM 20-5-2005 1833 (SW2)
5091.0 E10 EZI2 AM 20-5-2005 1900 (SW2)
5091.0 E10 JSR 22 (JAONH) AM 20-5-2005 1906 (SW2)
5091.0 E10 JSR 1833 Rpt of msg tx'd Fr 20/05/05 msg grp 56 AM
22-5-2005 1833 (SW2)
5091.0 E10 JSR2 AM 22-5-2005 2002 (SW2)
5091.0 E10 JSR msg grp 53 (YOBAR) AM 22-5-2005 2033 (SW2)
5091.0 E10 JSR msg rptd grp 32 (JHND0) AM 22-5-2005 2108 (SW2)
5091.0 E10 JSR msg grp 20 (NNREA) AM 22-5-2005 2133 (SW2)
5091.0 E10 JSR Rpt of msg tx'd 20/05 and 22/05 grp 56 (JZHUR)
AM 24-5-2005 1833 (SW2)
5091.0 E10 JSR Rpt of msg tx'd 20/05 and 12/05 grp 54 (ZYBOZ)
AM 24-5-2005 1933 (SW2)
5091.0 E10 JSR rptd msg tx'd 20,21 and 23/05 grp 22 //07540.0
AM 26-5-2005 1903 (SW2)
5111 MX Channel marker "P" CW 15-5-2005 0740 (KB)
5111 MX Channel marker "P" 4605//5862//5111 CW 15-5-2005 1515
(FN)
5153.8 MX Cluster beacon "P" CW 23-5-2005 Mon 1936 (AB)
5170 E10 VLB2 AM 7-5-2005 Sat 1845 (E12)
5170 E10 VLB2 AM 9-5-2005 Mon 1845 (E12)
5170 E10 VLB2 AM 11-5-2005 Wed 1845 (E12)
5170 E10 VLB2 AM 17-5-2005 Tue 1845 (E12)
5170 E10 VLB2 AM 20-5-2005 Fri 1845 (E12)
5170.0 E10 VLB2 //06370.0 AM 24-5-2005 1847 (SW2)
5170.0 E10 VLB2/6370 USB 28-5-2005 Sat 2145 (JS3)
5170.0 E10 VLB2/6370 USB 30-5-2005 Mon 2045 (JS3)
5170.0 E10 VLB2 AM 31-5-2005 1750 (SW2)
5210 M21 Russian Air Defense CW 8-5-2005 Sun 2022 (AB)
5230 E10 VLB2//5170 AM 7-5-2005 Sat 1845 (E12)
5230 E10 VLB2//5170 AM 9-5-2005 Mon 1845 (E12)
5230 E10 VLB2//5170 AM 11-5-2005 Wed 1845 (E12)
5230 E10 CI02//4165 AM 11-5-2005 Wed 1845 (E12)
5230 E10 VLB2//5170 AM 17-5-2005 Tue 1845 (E12)
5230 E10 CI02//4165 AM 20-5-2005 Fri 1845 (E12)
5230 E10 CIO 98356 AM 22-5-2005 Sun 2016 (AB)
5230 E10 CIO ADF893Z645ZB AM 23-5-2005 Mon 1950 (AB)
5230.0 E10 CI02 //06912.0 AM 24-5-2005 1848 (SW2)
5230.0 E10 CI02 //06912.0 AM 26-5-2005 1745 (SW2)
5230.0 E10 CI02 AM 26-5-2005 1946 (SW2)
5230.0 E10 CI02/4165, 6912 USB 28-5-2005 Sat 2145 (JS3)

5230.0 E10 CI02/4165, 6912 USB 30-5-2005 Mon 2045 (JS3)
5237.6 M89 V JAH3 JAH3 JAH3 DE CI4W CI4W CW 1306 (JUM)
5280.0 M01 025 CW 31-5-2005 Tue 1800 (HFD)
5339 E10 MIW2 AM 2-5-2005 Mon 1815 (E12)
5339 E10 MIW2 AM 6-5-2005 Fri 1815 (E12)
5339 E10 MIW2 AM 7-5-2005 Sat 1815 (E12)
5339 E10 MIW2 AM 9-5-2005 Mon 1815 (E12)
5339 E10 MIW2 AM 11-5-2005 Wed 1815 (E12)
5417.0 V02a First station heard and on first try! Rather strong,
lightning discharge heard. USB 27-5-2005 Fri 0210
5435 E10 ART2 AM 2-5-2005 Mon 1800 (E12)
5435 E10 ART2 AM 2-5-2005 Mon 1830 (E12)
5435 E10 ART2 AM 2-5-2005 Mon 1900 (E12)
5435 E10 ART2 AM 6-5-2005 Fri 1800 (E12)
5435 E10 ART2 AM 6-5-2005 Fri 1830 (E12)
5435 E10 ART2 AM 6-5-2005 Fri 1900 (E12)
5435 E10 ART2 AM 7-5-2005 Sat 1800 (E12)
5435 E10 ART2 AM 7-5-2005 Sat 1830 (E12)
5435 E10 ART2 AM 7-5-2005 Sat 1900 (E12)
5435 E10 ART2 AM 9-5-2005 Mon 1800 (E12)
5435 E10 ART2 AM 9-5-2005 Mon 1830 (E12)
5435 E10 ART2 AM 11-5-2005 Wed 1800 (E12)
5435 E10 ART2 AM 11-5-2005 Wed 1830 (E12)
5435 E10 ART2 AM 11-5-2005 Wed 1900 (E12)
5435 E10 ART2 AM 17-5-2005 Tue 1800 (E12)
5435 E10 ART2 AM 17-5-2005 Tue 1830 (E12)
5435 E10 ART2 AM 17-5-2005 Tue 1900 (E12)
5435 E10 ART2 AM 20-5-2005 Fri 1800 (E12)
5435 E10 ART2 AM 20-5-2005 Fri 1830 (E12)
5435 E10 ART2 AM 20-5-2005 Fri 1900 (E12)
5465.8 MX Channel marker "R" CW 8-5-2005 Sun 1941 (AB)
5745.0 S06 624x3 00000 QRM by E3 AM 17-5-2005 Tue 1800 (JE)
5745.0 S06 624:0 AM 31-5-2005 Tue 1800 (HFD)
5746.0 E03 Lincolnshire Poacher msg Id 42406 //6959//9251 AM
31-5-2005 1809 (SW2)
5819 E10 YHF 81 OPAEF AM 2-5-2005 Mon 1800 (E12)
5819 E10 YHF 81 OPAEF AM 6-5-2005 Fri 1800 (E12)
5819 E10 YHF 81 OPAEF AM 7-5-2005 Sat 1800 (E12)
5819 E10 YHF 73 LRJNS AM 9-5-2005 Mon 1800 (E12)
5819 E10 YHF 73 LRJNS AM 11-5-2005 Wed 1800 (E12)
5819 E10 YHF 73 LRJNS AM 17-5-2005 Tue 1800 (E12)
5819 E10 YHF 73 LRJNS AM 20-5-2005 Fri 1800 (E12)
5820 E10 YHF 1 AM 9-5-2005 Mon 2100 (AB)
5820.0 E10 YHF 73 (LRJNS) //07918.0 and 10648 AM 24-5-2005
1804 (SW2)
5862 MX Channel marker "P" 4605//5862//5111 CW 15-5-2005 1515
(FN)
5883.0 V02a First call 85340. AM 28-5-2005 Sat 0500 (ALB)

6210 E10 FDUM AM 30-5-2005 1915 (FNL)
6270 E10 ULX2 AM 2-5-2005 Mon 1830 (E12)
6270 E10 ULX2 AM 6-5-2005 Fri 1830 (E12)
6270 E10 ULX2 AM 7-5-2005 Sat 1830 (E12)
6270 E10 ULX2 AM 9-5-2005 Mon 1830 (E12)
6270 E10 ULX2 AM 11-5-2005 Wed 1830 (E12)
6270 E10 ULX2 AM 17-5-2005 Tue 1830 (E12)
6270 E10 ULX2 AM 20-5-2005 Fri 1830 (E12)
6270.0 E10 ULX, no msg AM 26-5-2005 Thu 2200 (RNL)
6270.0 E10 ULX2 //7760 AM 31-5-2005 1530 (SW2)
6370.0 E10 VLB2 AM 26-5-2005 1947 (SW2)
6370.0 E10 VLB2/5170 USB 28-5-2005 Sat 2145 (JS3)
6370.0 E10 VLB2/5170 USB 30-5-2005 Mon 2045 (JS3)
6379 M22 4XZ. Israeli navy Haifa. VVV marker CW 10-5-2005 2238
(DW)
6390 MX Channel marker "R" CW 8-5-2005 Sun 1941 (AB)
6434.0 M01 025 CW 7-5-2005 Sat 1500 (HFD)
6498.0 E10 PCD2 //8805 AM 31-5-2005 1531 (SW2)
6758.0 S17C 49036ug AM 8-5-2005 Sun 1250 (HFD)
6758.0 S17C 70034 AM 11-5-2005 Wed 1250 (HFD)
6758.0 S17C 39033 AM 12-5-2005 Thu 1250 (HFD)
6758.0 S17C 67031 AM 13-5-2005 Fri 1250 (HFD)
6758.0 S17C 51033 AM 16-5-2005 Mon 1250 (HFD)
6758.0 S17C 39030 AM 17-5-2005 Tue 1250 (HFD)
6758.0 S17C 61032 AM 18-5-2005 Wed 1250 (HFD)
6758.0 S17C 62035 AM 21-5-2005 Sat 1250 (HFD)
6758.0 S17C 62033 AM 27-5-2005 Fri 1250 (HFD)
6758.0 S17C 61046 AM 28-5-2005 Sat 1250 (HFD)
6758.0 S17C 62035 AM 29-5-2005 Sun 1250 (HFD)
6758.0 S17C 76043 AM 30-5-2005 Mon 1250 (HFD)
6768.0 V02a In Progress//S800M//Brooklyn USB 9-5-2005 Mon 0430
6768.0 V02a In Progress//S800M//Brooklyn USB 23-5-2005 Mon 0400
6780.0 M01 025-692/33=82096 CW 1-5-2005 Sun 0700 (HFD)
6797.0 V02c A346 72x5 (R3) 73511 91082 (YL/SS) AM
31-5-2005 Tue 2200 (MS)
6840 E10 EZI2 ///9130 AM 2-5-2005 Mon 1900 (E12)
6840 E10 EZI2 ///9130 AM 6-5-2005 Fri 1900 (E12)
6840 E10 EZI2 ///9130 AM 7-5-2005 Sat 1900 (E12)
6840 E10 EZI2 ///9130 AM 11-5-2005 Wed 1900 (E12)
6840 E10 EZI 53 CPQCV AM 17-5-2005 Tue 1800 (E12)
6840 E10 EZI2 ///9130 AM 17-5-2005 Tue 1900 (E12)
6840 E10 EZI 53 CPQCV AM 20-5-2005 Fri 1800 (E12)
6840.0 E10 "Echo Zulu India Two". Fair signal; QRN from distant
storm. USB 5-5-2005 Thu 0200 (BD)
6840.0 E10 EZI 89 (WZEXL) //09130.0 AM 24-5-2005 1802 (SW2)
6840.0 E10 EZI 89 (WZEXL) rptd msg of 24/05/05 AM 31-5-2005
1733 (SW2)
6854.0 M08a ID 23743 35512 67752 CW 25-5-2005 Wed 2200 (MS)

6855.0 V02c very difficult copy here USB 7-5-2005 Sat 2100 (DM)
6856.0 M08a In Progress//S800M//Brooklyn CW 11-5-2005 Wed 0200
6887.0 G06 ip AM 12-5-2005 Thu 1835 (HFD)
6912 E10 CIO 98356 AM 22-5-2005 Sun 2016 (AB)
6912 E10 CIO ADF893Z645ZB AM 23-5-2005 Mon 1950 (AB)
6912.0 E10 CIO2/4165, 5230 USB 28-5-2005 Sat 2145 (JS3)
6912.0 E10 CIO2/4165, 5230 USB 30-5-2005 Mon 2045 (JS3)
6930 E10 SYN2///6930 AM 2-5-2005 Mon 1845 (E12)
6930 E10 SYN2///4360 AM 6-5-2005 Fri 1845 (E12)
6930 E10 SYN2 AM 9-5-2005 Mon 1845 (E12)
6930 E10 SYN2///4360 AM 11-5-2005 Wed 1845 (E12)
6930.0 E10 SYN 2 USB 2-5-2005 Mon 0048 (MT2)
6930.0 E10 SYN 2; in progress at tune in USB 6-5-2005 Fri 0250
6930.0 E10 SYN2 USB 28-5-2005 Sat 2145 (JS3)
6930.0 E10 SYN2 USB 30-5-2005 Mon 2045 (JS3)
6959 E03 LP. Id 47419 USB 11-5-2005 Wed 2000 (AB)
6959 E03 LP. Id 47419 USB 12-5-2005 Thu 1900 (AB)
6959 E03 LP in progress USB 13-5-2005 2033 (MUK)
6986.0 E10 ART 81 (AWYEC) //05435.0 (Qrm) AM 26-5-2005 1933
(SW2)
7004.0 MX In Progress//S800M//Brooklyn CW 23-5-2005 Mon 0400
7036.4 M89 V CP17 CP17 CP17 DE L9CC L9CC CW (IARUMS)
7039 MX Cluster beacon "C" CW 23-5-2005 Mon 1936 (AB)
7052 M89 V CP17 CP17 CP17 DE L9CC L9CC CW (IARUMS)
7059.3 M89 V CP17 CP17 CP17 DE L9CC L9CC CW (IARUMS)
7075.5 M89 V CP17 CP17 CP17 DE L9CC L9CC CW (IARUMS)
7084.2 M89 V CP17 CP17 CP17 DE L9CC L9CC CW (IARUMS)
7245.0 S06 418:0 AM 24-5-2005 Tue 0800 (HFD)
7337 E03 LP in progress USB 8-5-2005 Sun 1827 (AB)
7445.0 E10 SYN2 AM 26-5-2005 1745 (SW2)
7510.0 Spanish female, groups of 5, directly on top of
KTBN-Salt Lake City AM 24-5-2005 Tue 0905 (RL)
7518.0 M13 254 (R5) BT 258 21 BT (Very weak transmission) CW
4-5-2005 Wed 2100 (MS)
7519.0 M08a ID 35093 23913 96293 CW 9-5-2005 Mon 2200 (MS)
7519.0 M08a ID 44752 86772 74572 CW 11-5-2005 Wed 2200 (MS)
7519.0 M08a ID 79681 47021 67221 CW 13-5-2005 Fri 2200 (MS)
7519.0 M08a ID 79682 47022 67222 (Note: the 2300z sked on 8009m
was nil heard) CW 16-5-2005 Mon 2200 (MS)
7519.0 M08a ID 61002 22612 69602 CW 25-5-2005 Wed 2200 (MS)
7519.0 M08a ID 22601 03451 02611 CW 27-5-2005 Fri 2200 (MS)
7519.0 M08a (QRN Completely blocks copy) CW 30-5-2005 Mon 2200
7520.0 V02c A 346-72. Same message as 1000 UT on May 30, 2005.
Very strong, very clear. AM 31-5-2005 Tue 0900 (ALB)
7526.0 M08a ID 79683 47023 67223 CW 17-5-2005 Tue 2200 (MS)
7526.0 M08a ID 61001 22611 69601 CW 24-5-2005 Tue 2200 (MS)
7526.0 M08a ID 22603 03453 02613 CW 31-5-2005 Tue 2200 (MS)
7527.0 V02a Missed initial callup. Loud and clear. 3x "final" at

end. AM 30-5-2005 Mon 0910 (ALB)

7605.0 E10 KPA2 AM 31-5-2005 1818 (SW2)

7663 E11 232/00 USB 12-5-2005 0800 (MUK)

7663 E11 USB 19-5-2005 0800 (Fer)

7681.0 V02c (In progress, YL/SS) AM 12-5-2005 Thu 1000 (MS)

7681.0 V02c (In progress) YL/SS AM 12-5-2005 Thu 1000 (MS)

7681.0 V02c (In progress, missed callup YL/SS) AM 30-5-2005 Mon 1000 (MS)

7681.0 V02c A 346-72. Started ~1 min late. Signal stronger than WWV on 5 and 10 mHz. AM 30-5-2005 Mon 1001 (ALB)

7845.0 S06 196:0 AM 27-5-2005 Fri 0600 (HFD)

7877.0 V02c A888 16x2 A252 166x1 A888 16x2 (R3) 44621 62561 . . .
 . (YL/SS) AM 9-5-2005 Mon 2000 (MS)

7887.0 V02c A888 16x2 A252 166x1 A888 16x2 (R3) 44621 62561 . . .
 . (YL/SS) AM 8-5-2005 Sun 0900 (MS)

7887.0 V02c A346 72 (R3) 73511 91082 (YL/SS) AM 19-5-2005 Thu 2000 (MS)

7887.0 V02c A346 72 (R3) 73511 91082 (YL/SS) AM 20-5-2005 Fri 2000 (MS)

7887.0 V02c A 346-72. Same message as 0900 UT today. Not terribly strong. AM 31-5-2005 Tue 0959 (ALB)

7975.0 V02c (In progress - YL/SS) AM 7-5-2005 Sat 1000 (MS)

7975.0 V02c A888 16x2 A252 166x1 A888 16x2 (R3) 44621 62561 . . .
 . (YL/SS) AM 8-5-2005 Sun 1000 (MS)

7975.0 V02c A346 72x5 (R3) 73511 91082 (YL/SS) AM 28-5-2005 Sat 1000 (MS)

7975.0 V02c (In progress, missed callup. YL/SS) AM 29-5-2005 Sun 1000 (MS)

7995.0 V02a in progress S1-+30 contained long pauses and no "Finally". AM 28-5-2005 Sat 0007 (Vambo)

8009.0 M08a ID 35093 23913 96293 (Rpt of 2200z on 7519m) CW 9-5-2005 Mon 2300 (MS)

8009.0 M08a ID 44752 86772 74572 (Rpt of 2200z on 7519m) CW 11-5-2005 Wed 2300 (MS)

8009.0 M08a ID 44753 86773 74573 (Fades away during the callup) CW 12-5-2005 Thu 2200 (MS)

8009.0 M08a ID 44753 86773 74573 (Fades away during callup) CW 12-5-2005 Thu 2200 (MS)

8009.0 M08a ID 79684 47024 67224 CW 18-5-2005 Wed 2300 (MS)

8009.0 M08a ID 79685 47025 67225 CW 19-5-2005 Thu 2200 (MS)

8009.0 M08a ID 61002 22612 69602 (Repeat of 2200z on 7519m) CW 25-5-2005 Wed 2300 (MS)

8009.0 M08a ID 61003 ----- (In progress) CW 26-5-2005 Thu

8009.0 M08a ID 22602 09452 02602 (QRN still heavy, callup 80% reliable) CW 30-5-2005 Mon 2300 (MS)

8010.0 M08a ID 87443 11813 94053 (Repeat of 0700z on 9238m) CW 30-5-2005 Mon 0800 (MS)

8010.0 V02a 87331/37066/38043//S800M//Brooklyn USB 6-5-2005 Fri

0600 (GS)

8010.0 V02a Missed initial callup. Missed first, got 15593 and 12691 before their messages. AM 27-5-2005 Fri 0600

8091 E11 232/00 USB 20-5-2005 0800 (MUK)

8091 E11 232/00 USB 27-5-2005 0800 (MUK)

8096.0 M08a In Progress//S800M//Brooklyn CW 9-5-2005 Mon 0505 (GS)

8096.0 M08a In Progress//S800M//Brooklyn CW 16-5-2005 Mon 0515

8096.0 M08a In Progress//S800M//Brooklyn CW 23-5-2005 Mon 0500

8097.0 V02 YL SS msg USB 12-5-2005 Thu 0605 (FNL)

8097.0 V02c A888 16x2 A252 166x1 A888 16x2 (R3) 44621 62561 . . .
 . (YL/SS) (Very weak) AM 9-5-2005 Mon 1900 (MS)

8135.0 M08a ID 44753 86773 74573 (Rpt of 2200z on 8009m, this time did not fade away) CW 12-5-2005 Thu 2300 (MS)

8135.0 M08a ID 44753 86773 74573 (Rpt of 2200z on 8009m, but did not fade away this time) CW 12-5-2005 Thu 2300 (MS)

8135.0 M08a ID 79685 47025 67225 (Rpt of 2200z on 8009m) CW 19-5-2005 Thu 2300 (MS)

8135.0 M08a ID 61001 22611 69601 (Repeat of 2200z on 7526m) CW 24-5-2005 Tue 2300 (MS)

8135.0 M08a ID 22601 03451 02611 (Repeat of 2200z on 7519m) CW 27-5-2005 Fri 2300 (MS)

8135.0 M08a ID 22603 03453 02613 (Repeat of 2200z on 7526m) CW 31-5-2005 Tue 2300 (MS)

8135.0 V02a In progress. Almost sounds like a dead carrier but it has very low modulated V2a AM 27-5-2005 Fri 0007

8136.0 M08a ID 15505 47881 64272 CW 7-5-2005 Sat 1100 (MS)

8136.0 M08a ID 67643 47883 64275 CW 14-5-2005 Sat 1100 (MS)

8136.0 M08a ID 06903 08352 10382 (Sked up about 3 minutes late) CW 28-5-2005 Sat 1100 (MS)

8136.0 M08a ID 86442 85393 10383 CW 29-5-2005 Sun 1000 (MS)

8136.0 V02a A45321 63961 799.1 (YL/SS - transmission was garbled) AM 29-5-2005 Sun 0900 (MS)

8136.0 V02a Very weak. Only listened to initial callup. AM 29-5-2005 Sun 0900 (ALB)

8170.0 G06 308:0 AM 2-5-2005 Mon 2000 (HFD)

8180 E06 690 00000 AM 15-5-2005 1930 (MUK)

8180.0 E06 690:0 AM 29-5-2005 Sun 1930 (HFD)

8464.0 E03 In Progress//Weak Signal//ARC-190//KFOK USB 4-5-2005 Wed 1900 (GS)

8495 MX Cluster beacon "C" CW 23-5-2005 Mon 1936 (AB)

8544 E11 182/00 USB 24-5-2005 0830 (MUK)

9062.0 M08a ID 87442 11812 94052 CW 29-5-2005 Sun 0700 (MS)

9130 E10 EZI 71 FYLNK AM 2-5-2005 Mon 1800 (E12)

9130 E10 EZI 71 FYLNK AM 6-5-2005 Fri 1800 (E12)

9130 E10 EZI 71 FYLNK AM 7-5-2005 Sat 1800 (E12)

9130 E10 EZI 86 JWYFG// AM 9-5-2005 Mon 1800 (E12)

9130 E10 EZI 86 JWYFG// AM 11-5-2005 Wed 1800 (E12)

9130 E10 EZI2 AM 20-5-2005 Fri 1900 (E12)

9150.0 V02 AM 21-5-2005 Sat 0007 (LP0)
 9152.0 M08a (In progress - Missed calls) ----- 71071 CW
 21-5-2005 Sat 1200 (MS)
 9152.0 M08a ID 06903 08352 10382 (Repeat of 1100z on 8136m) CW
 28-5-2005 Sat 1200 (MS)
 9153.0 V02a In Progress//S800M//Brooklyn USB 9-5-2005 Mon 0505
 9153.0 V02a In Progress//S800M//Brooklyn USB 23-5-2005 Mon 0500
 9202 E10 YHF 2 AM 2-5-2005 1831 (MUK)
 9238.0 M08a ID 86442 85393 10383 (Repeat of 1000z on 8136m) CW
 29-5-2005 Sun 1100 (MS)
 9238.0 M08a ID 87443 11813 94053 CW 30-5-2005 Mon 0700 (MS)
 9251 E03 LP in progress USB 8-5-2005 Sun 1827 (AB)
 9251 E03 LP. Id 47419 USB 11-5-2005 Wed 2000 (AB)
 9251 E03 LP. Id 47419 USB 12-5-2005 Thu 1900 (AB)
 9251 E03 LP id 47419 USB 13-5-2005 2000 (MUK)
 9251 E03 LP. Id 91261 USB 23-5-2005 Mon 2100 (AB)
 9251.0 E03 Traffic for "73326". Very weak signal. Simulcast on
 12603 KHz. USB 2-5-2005 Mon 1900 (BD)
 9251.0 E03 02760//ARC-190//KFOK USB 4-5-2005 Wed 1800 (GS)
 9323.0 M08a (Late start - in progress) ID ----- 47881 64272 CW
 7-5-2005 Sat 1000 (MS)
 9323.0 M08a ID 47244 65746 31822 CW 12-5-2005 Thu 1000 (MS)
 9323.0 M08a ID 47244 65746 31822 CW 12-5-2005 Thu 1000 (MS)
 9323.0 M08a ID 56303 01741 11712 CW 28-5-2005 Sat 1000 (MS)
 9323.0 V02a In Progress//S800M//Brooklyn USB 6-5-2005 Fri 0600
 9330.0 M08a In Progress//S800M//Brooklyn CW 9-5-2005 Mon 0430 (GS)
 9330.0 M08a In Progress//S800M//Brooklyn CW 11-5-2005 Wed 0400
 9330.0 M08a In Progress//S800M//Brooklyn CW 23-5-2005 Mon 0400
 9330.0 V02a Garbled/trampled by M8a//S800M//Brooklyn USB 11-5-2005
 Wed 0400 (GS)
 9388.0 XP 0-msg AM 3-5-2005 Tue 0600 (HFD)
 9388.0 XP msg AM 10-5-2005 Tue 0600 (HFD)
 9448 E11 312/00 USB 24-5-2005 1230 (MUK)
 9448.0 E11 312/00 AM 3-5-2005 Tue 1230 (HFD)
 9450.0 E25 277 19 270 20 good signal AM 18-5-2005 Wed
 9610 E11 312/00 USB 24-5-2005 1030 (MUK)
 9610 E11 312/00 USB 27-5-2005 1030 (MUK)
 9610.0 E11 312/00 AM 13-5-2005 Fri 1030 (HFD)
 10125.0 E11 187/00 AM 27-5-2005 Fri 1200 (HFD)
 10125.0 M08 ID WAAWN CW 7-5-2005 Sat 0300 (LC)
 10126.0 M08a ID ----- 55284 ----- (In progress) CW 12-5-2005 Thu
 10126.0 M08a ID ----- 55284 ----- (In progress) CW 12-5-2005 Thu
 10126.0 M08a ID 16871 33201 96411 CW 28-5-2005 Sat 0900 (MS)
 10190 E06 690 00000 AM 15-5-2005 1830 (MUK)
 10230.0 S06 831:0 AM 16-5-2005 Mon 1200 (HFD)
 10230.0 S06 831:0 AM 30-5-2005 Mon 1200 (HFD)
 10234.0 M08a In Progress//S800M//Brooklyn CW 11-5-2005 Wed 0400
 10235.0 M08a In Progress//S800M//Brooklyn CW 31-5-2005 Tue 0405

10344.0 M08a (Transmission garbled and fading. No copy) CW
 28-5-2005 Sat 1100 (MS)
 10345.0 V02a A24522 75063 19842 (YL/SS) AM 7-5-2005 Sat 1100 (MS)
 10352.0 E10 KPA2 AM 26-5-2005 1916 (SW2)
 10426.0 E03 POACHER traffic. Good signal, RTTY QRM. Simulcast on
 11545 KHz USB 2-5-2005 Mon 2200 (BD)
 10446 V02a in progress AM 23-5-2005 0328 (Vambo)
 10446.0 V02a In Progress//S800M//Brooklyn USB 9-5-2005 Mon 0505
 10446.0 V02a 53731/80631/30531//S800M//Brooklyn USB 23-5-2005 Mon
 0500 (GS)
 10850.0 G06 308:0 AM 2-5-2005 Mon 1900 (HFD)
 10858.0 M08a ID 88742 29383 15783 CW 7-5-2005 Sat 1200 (MS)
 10858.0 M08a ID ----- 63656 75196 (In progress) CW 14-5-2005 Sat
 1200 (MS)
 10858.0 M08a (In progress - Missed calls) ----- 58242 CW
 21-5-2005 Sat 1200 (MS)
 10858.0 M08a ID 19091 47512 34052 CW 28-5-2005 Sat 1200 (MS)
 10871.8 MX P Rus-N Mkr Beacon Kaliningrad CW 22-5-2005 1707
 10871.9 MX S Rus-N Mkr Beacon Arkhangelsk CW 22-5-2005 1708
 (SW2)
 10872.0 MX C Rus-N Mkr Beacon Moscow CW 22-5-2005 1709 (SW2)
 11307.0 M13 517 (R5) BT 253 22 BT CW 2-5-2005 Mon 2000 (MS)
 11432.0 M08a ID 16464 34744 39174 CW 12-5-2005 Thu 0800 (MS)
 11432.0 M08a ID 16464 34744 39174 CW 12-5-2005 Thu 0800 (MS)
 11545 E03 LP. Id 47419 USB 11-5-2005 Wed 2000 (AB)
 11545 E03 LP. Id 47419 USB 12-5-2005 Thu 1900 (AB)
 11545 E03 LP in progress USB 13-5-2005 1936 (MUK)
 11545 E03 "02760...02760..." AM 13-5-2005 Fri 2100 (DXS)
 11545 E03 AM 14-5-2005 Sat 1800 (DXS)
 11545 E03 LP. Id 91261 USB 23-5-2005 Mon 2100 (AB)
 11545 E03 USB 26-5-2005 Thu 0006 (41)
 11545 E03 USB 28-5-2005 Sat 0006 (41)
 11545 E03 S-3_4, R_4 USB 29-5-2005 Sun 0600 (41)
 11545 E03 S-1to 5 R-3to4 USB 30-5-2005 Mon 0300 (41)
 11545 E03 S-1to 2 ***R-2*** QRM & QRN USB 30-5-2005 Mon 0400
 11545.0 E03 Traffic for "47450". Very weak signal, no simulcast
 noted. USB 2-5-2005 Mon 2000 (BD)
 11545.0 E03 Very weak POACHER signal. No simulcast noted. USB
 2-5-2005 Mon 2100 (BD)
 11545.0 E03 POACHER traffic. Good signal. Simulcast on 10426. USB
 2-5-2005 Mon 2200 (BD)
 11545.0 E03 02760//ARC-190//KFOK USB 4-5-2005 Wed 1800 (GS)
 11565.0 E10 EZI2 (R5) (YL/EE) USB 28-5-2005 Sat 0400 (MS)
 11565.0 E10 EZI 93 WNNSL AM 28-5-2005 Sat 1600 (JS3)
 11565.0 M08 In Progress CW 5-5-2005 Thu 0405 (LC)
 11565.0 M08 ID WAAWN CW 7-5-2005 Sat 0400 (LC)
 11565.0 M08a In Progress//S800M//Brooklyn CW 21-5-2005 Sat 0415
 11566.0 V02a Strong signa but very hard to hear over hum on USB.

Stopped listening @0315 USB 27-5-2005 Fri 0300 (ALB)

12088	E07	very poor AM 15-5-2005 1720 (MUK)
12088.0	E07	301:0 AM 22-5-2005 Sun 1720 (HFD)
12088.0	XP	msg AM 17-5-2005 Tue 0640 (HFD)
12093.0	M08a	ID 88742 29383 15783 (Rpt of 1200z on 10858m) CW 7-5-2005 Sat 1300 (MS)
12093.0	M08a	ID 19091 47512 34052 (Repeat of 1200z on 10858m) CW 28-5-2005 Sat 1300 (MS)
12154.0	S06	831:0 AM 16-5-2005 Mon 1210 (HFD)
12165.0	V02a	Very weak with a ~2 Hz "tick" audible as well. Missed initial callup. AM 30-5-2005 Mon 0200 (ALB)
12180.0	V02a	In Progress//S800M//Brooklyn USB 11-5-2005 Wed 0200
12215.0	S06	895:0 AM 26-5-2005 Thu 1010 (HFD)
12215.0	V02a	Stronger than // on 5417 but with less lightning discharge. Missed call-up. USB 27-5-2005 Fri 0210
12216.0	M13	458 (R5) BT 247 21 BT CW 9-5-2005 Mon 2200 (MS)
12224	X06	Mazielka calls 23-5-2005 2010 (JS3)
12603	E03	LP in progress USB 8-5-2005 Sun 1827 (AB)
12603.0	E03	POACHER w/ good signal, in progress. No simulcasts noted. USB 1-5-2005 Sun 1827 (BD)
12603.0	E03	Traffic for "73326". Fair / good signal. Simulcast on 9251 KHz. USB 2-5-2005 Mon 1900 (BD)
12603.0	E03	In Progress//ARC-190//KFOK USB 4-5-2005 Wed 1739 (GS)
12714.0	M13	714 (R5) BT 248 21 BT CW 12-5-2005 Thu 2000 (MS)
12714.0	M13	714 (R5) BT 248 21 BT CW 12-5-2005 Thu 2000 (MS)
12714.0	M13	714 (R5) BT 248 21 BT CW 13-5-2005 Fri 2000 (MS)
12834.0	M13	253 (R5) BT 251 22 BT CW 6-5-2005 Fri 2000 (MS)
12834.0	M13	253 (R5) (QRM blocks badly) CW 19-5-2005 Thu 2000 (MS)
12834.0	M13	253 (R5) BT 251 22 BT (Reception much improved today over yesterday) CW 20-5-2005 Fri 2000 (MS)
13368.0	E07	374:0 AM 26-5-2005 Thu 2010 (HFD)
13388	E07	301 AM 15-5-2005 1700 (MUK)
13517	X06	Mazielka calls 31-5-2005 0640 (JS3)
13527.5	MX	Cluster beacon "M". Off freq CW 2-5-2005 1324 (FN)
13527.8	MX	P Rus-N Kaliningrad CW 23-5-2005 1259 (SW2)
13528.0	MX	C Rus-N Moscow CW 23-5-2005 1300 (SW2)
13555	E10	KPA 2 AM 13-5-2005 1954 (MUK)
13555	E10	KPA 2 AM 15-5-2005 0918 (AB)
13880.0	S06	493x3 00000 AM 17-5-2005 Tue 1500 (JE)
14487.0	E03	In Progress//ARC-190//KFOK USB 4-5-2005 Wed 1739 (GS)
14620.0	V07	635:0 AM 12-5-2005 Thu 0600 (HFD)
14750	E10	KPA 2 AM 15-5-2005 0918 (AB)
15289	X06	Mazielka calls 23-5-2005 2010 (MUK)
15638.0	E07	682:0 very faint signal AM 11-5-2005 Wed 2000 (HFD)
15682.0	E03	I/P; weak S2; xmsn started abruptly at 1208Z mid-Poacher tune; no other freqs hea USB 24-5-2005 Tue
16084	E03	LP in progress USB 9-5-2005 Mon 1319 (AB)
16475.0	E03	In Progress//ARC-190//KFOK USB 4-5-2005 Wed 1739 (GS)

18864 E04 Cherry Ripe in progress USB 9-5-2005 Mon 1318 (AB)
19715 E10 EZI 2 AM 15-5-2005 0933 (AB)
20048 MX Cluster beacon "C" CW 20-5-2005 1510 (FN)

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ZW Zack Widup, ILL, USA

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